#### AMENDMENTS TO THE CLAIMS

The following replaces all prior versions, and listing of claims, made in this application.

#### 1-18 (Canceled)

### 19. (Currently Amended) A method comprising:

a) administering an MRI agent having the formula:

N 
$$X_1$$
  $(Y_1)_n$  Ala Leu  $(Y_2)_m$   $X_1$   $(Y_1)_n$   $(Y_2)_m$   $(Y_2)_m$ 

 $Y_1$  and  $Y_2$  are independently amino acid moieties; n and m are each independently an integer from 0 to 5  $X_1$  is an independent linker; and salts thereof:

b) producing a magnetic resonance image of a cell, tissue, or patient.

## 20. (Currently Amended) A method comprising:

a) administering an activatable MRI agent having the formula:

wherein

M is a paramagnetic metal ion selected from the group consisting of Gd(III), Fe(III), Mn(II), Y(III), Cr(III), Eu(III), and Dy(III);

X<sub>1</sub> and X<sub>2</sub> are each independent linkers;

#### X<sub>1</sub> is an aryl group or an alkyl group;

# $X_2$ is an aryl group, an alkyl group, a carbohydrate group, a nucleic acid group, or a lipid group;

MMP is a matrix metalloproteinase (MMP) active peptide;

p is an integer from 0 to 1; and

salts thereof;

- b) contacting said MRI agent under conditions wherein said MMP active peptide is cleaved by interacts with a MMP such that the T<sub>1</sub> of the said MRI agent is decreased; and,
- c) producing a magnetic resonance image of a cell, tissue, or patient.
- 21. (Previously Presented) A method according to claim 19, wherein said M is Gd(III).
- 22. (Previously Presented) A method according to claim 20, wherein said M is Gd(III).
- 23. (Previously Presented) A method according to claim 19, wherein  $X_1$  is selected from the group consisting of an aryl or alkyl group.

- 24. (Canceled) A method according to claim 20, wherein  $X_1$  is selected from the group consisting of an aryl or alkyl group.
- 25. (Canceled) A method according to claim 20, wherein X<sub>2</sub> is selected from the group consisting of an aryl group, an alkyl group, a carbohydrate group, a nucleic acid group, a lipid group, and combinations thereof.
- 26. (Previously Presented) A method according to claim 19, wherein  $X_1$  is -(CH<sub>2</sub>CO)-,  $Y_1$  is -Pro-Met- when n = 2, and  $Y_2$  is --Trp-Met-Arg when m = 1 (SEQ ID NO: 4).
- 27. (Previously Presented) A method according to claim 19, wherein  $X_1$  is -(CH<sub>2</sub>CO)-,  $Y_1$  is -Metwhen n = 1, and  $Y_2$  is -Trp-Met-Arg when m = 3 (SEQ ID NO:2).
- 28. (Previously Presented) A method according to claim 19, wherein  $X_1$  is -(CH<sub>2</sub>CO)-, n = 0, and  $Y_2$  is -Trp-Met-Arg when m = 3 (SEQ ID NO:3).
- 29. (Previously Presented) A method according to claim 20, wherein said MMP is MMP 7.
- 30. (Previously Presented) A method according to claim 20, wherein  $X_1$  is -(CH<sub>2</sub>CO)-, said MMP peptide comprises Leu-Met-Trp-Arg, and p = 0 (SEQ ID NO:20).
- 31. (Previously Presented) A method comprising:
  - a) administering an MRI agent having the formula:

#### wherein

M is a paramagnetic metal ion selected from the group consisting of Gd(III), Fe(III), Mn(II),

Y(III), Cr(III), Eu(III), and Dy(III);

X1 and X2 are each independent linkers;

MMP is a matrix metalloproteinase (MMP) active peptide; and salts thereof;

- b) contacting said MRI agent under conditions wherein said MMP active peptide interacts
  with a MMP such that the T<sub>1</sub> of the said MRI agent is decreased; and,
  - c) producing a magnetic resonance image of a cell, tissue, or patient.
- 33, (Previously Presented) A method according to claim 31, wherein said M is Gd(III).
- e (Previously Presented) A method according to claim 31, wherein  $X_1$  and  $X_2$  are independently s4 cted from the group consisting of p-aminobenzyl or substituted p-aminobenzyl.
- (Previously Presented) A method according to claim 31, wherein said MMP peptide is Pro-Met-A a-Leu-Trp-Met-Arg (SEQ ID NO: 4).
- 35. (Previously Presented) A method according to claim 31, wherein said MMP is MMP 7.

# 36. (Previously Presented) A method according to claim 31, wherein said MRI agent has the formula: